

Patent Abstracts of Japan

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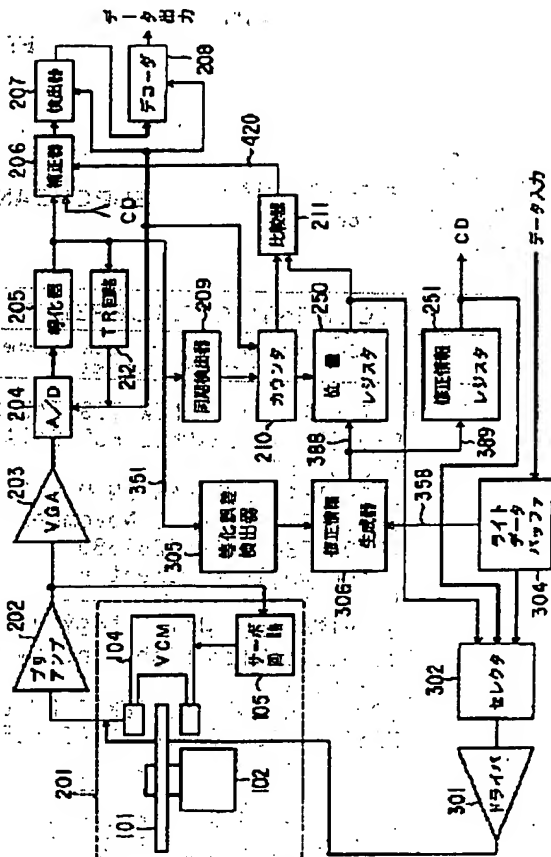
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TITLE : RECORDING AND REPRODUCING
DEVICE AND RECORDING AND
REPRODUCING METHOD THEREFOR



ABSTRACT : PROBLEM TO BE SOLVED: To provide the data recording and reproducing device having large capacity and high reliability by suppressing a waveform equalization error by a nonlinear distortion due to the magnetic interaction between magnetic head and a medium and the noise component having strong correlation with a signal and reducing a detection error in a data recognition.

SOLUTION: A write verification is executed right after data are written to a disk 101, information on bit positions where corrections are needed are set in a position register 250 based on the equalization error from an equalization error detector 305 and correction information with respect to the bit positions are generated by a correction information generator 306 to be set in a correction information register 251. Then, at the time of reproducing the data, corrections are performed with respect to signal sample values by using these information.

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